BRUHAT BENGALURU MAHANAGARA PALIKE

Name of Work

Improvements to Concrete roads at Ravindra Nagar in ward 13 shettyhalli Sub division

Estimated Cost

Rs :- 40.00 Lakh

JOB Code:- 013-19-000027

Office of the
Executive Engineer
Dasarahalli Division
BBMP, BENGALURU

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Sl No	Description	Unit	No	Length	Width	Depth	Qty	Rate	Amount
1	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (PWD,SZB,SR,2018-19. Pg No-140, I. No-18.47)								
	17th Cross		1	120.00	3.25	0.30	117.00		
	18th cross		1	81.00	3.25	0.30	78.71		
	9th Cross 2ndto 4th Main		1	205.15	6.00	0.30	369.27		
		Cum					564.98	352.50	199234.10
	Basic Rate	899.00							
	Add A W 6%	53.94							
	TOTAL	**952.94**							
2	KSRRB 300-2. Earthwork excavation by manual means in Ordenary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (PWD SR 2018-19 P.No: 143, I.No.: 19.1)								
	For Desilting								
	17th Cross		2	120.00	0.30	0.45	32.40		
	18th cross		2	81.00	0.30	0.45	21.87		
	9th Cross 2ndto 4th Main		2	205.15	0.30	0.45	55.39		
	9th Cross 2ndto 4th Main	Road	1	205.15	6.00	0.15	184.64		
		Cum					294.30	137.30	40404.39
	Basic Rate	130.00							
	Add A W 6%	7.80							
	TOTAL	**137.80**							
3	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications.MORTH -100/ Chapter 1 (PW,P& IWTD SR 2018-19, Pg No 16, Item No. 17.1 & 17								
	Qty vide item no 1+2	Cum	1				859.28	859.28	
	Basic Rate	57.00		40	7.2			859.28	73.30
	Lead For 5Km(2x1.28x5)	12.80		1.1	7.2				63577.30
		69.80			79.2				
	Add A W 6%	4.19							
	Sub TOTAL	**73.99**							

Sl No	Description	Unit	No	Length	Width	Depth	Qty	Rate	Amount
4	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge (Data Rate)								
	Missing & Damage Slabs For Drain		120	0.60	0.90		64.80		
							64.80	2337.00	**151438.00**
		Sqm							
	Data Rate	2337.00							
5	Providing and fixing RCC precast cover slab of 250mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge (Data Rate)								
	Cover Slabs For Culvert		18	0.60	1.20		12.96		
							12.96	5418.00	**70218.00**
		Sqm							
	Data Rate	5418.00							
6	KSRRB 300-58. **Compaction of original ground** by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 (PWD SR 2018-19 P.No: 147, I.No.: 19.64)								
	17th Cross	Sqm	1	120.00	3.25		390.00		
	18th cross		1	81.00	3.25		263.25		
	9th Cross 2ndto 4th Main		1	205.15	6.00		1230.90		
							1884.15	6.36	**11983.00**
	Basic Rate	6.00							
	Add 6% Area weightage	0.36							
	Total	**6.36**							
7	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2(PW,P& IWTD SR 2018-19,Page No-13 Item No-4.2)								
	17th Cross		1	120.00	3.25	0.15	58.50		
	18th cross		1	81.00	3.25	0.15	39.49		
	For Kerb @ 9th Cross		2	205.15	0.30	0.10	12.31		
							110.30	5505.64	**607253.00**
		Cum		174		6442			
	Basic Rate	5194.00		20.28		644.2			
	Add A W 6%	311.64				7086.2			
	TOTAL	**5505.64**							

Sl No	Description	Unit	No	Length	Width	Depth	Qty	Rate	Amount
8	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)(PW,P& IWTD SR 2018-19, Pg No 176, Item No. 22.6.1)								
	17th Cross		1	120.00	3.25	0.15	58.50		
	18th cross		1	81.00	3.25	0.15	39.49		
						Total Qty	**97.99**	5210.96	**510609.00**
		Cum					6837		
	Basic Rate	4916.00		175			683.7		
	Add A W 6%	294.96		20.29			7520.7		
	TOTAL	**5210.96**							
8	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. - of size 450 x 200 x 400 mm (PWD SR 2018-19 P.No: 27, I.No.: 5.29.1)								
	9th Cross 2ndto 4th Main		2	456			911.78		
							911.78	477.00	**434918.00**
		No							
	Basic Rate	450.00							
	Add A W 6%	27.00							
	TOTAL	**477.00**							
9	KSRRB M500- 4 Providing and applying **primer coat** for surfaces of medium porosity like cement stabilized soil base @ 0.90kg/sqmt over prepared surface with S.S bitumen emulsion using bitumen tanker fitted with spray set (excluding cleaning of road surface) including cost of all material, labour, HOM of machineries complete as per specifications.. MORTH Chapter 501 of MORTH V revision (PWD SR 2018-19 P.No: 158, I.No.: 21.5)								
	9th Cross 2ndto 4th Main	Sqm	1	205.15	6.00		1230.90		
							1230.90	43.46	**53495.00**
	Basic Rate	41.00							
	Add 6% Area weightage	2.46							
	Total	**43.46**							

Sl No	Description	Unit	No	Length	Width	Depth	Qty	Rate	Amount
10	KSRRB 500-11. Providing and laying **bituminous macadam** on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixd material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. MORTH /Chapter 5 - using 100/120 TPH capacity H.M.P. with sensor paver Gr-1 (50 mm to 75mm) with 3.3 % VG-30 Bitumen (PWD SR 2018-19 P.No: 159, I.No.: 21.11.2)								
	9th Cross 2ndto 4th Main	Cum	1	205.15	6.00	0.05	61.55		
							61.55	7291.74	**448770.00**
	Basic Rate	6879.00		66			7487		
	Add 6% Area weightage	412.74		5.6A			748.7		
	Total	**7291.74**					8235.7		
11	KSRRB M500- 4 Providing and applying **primer coat** for surfaces of medium porosity like cement stabilized soil base @ 0.90kg/sqmt over prepared surface with S.S bitumen emulsion using bitumen tanker fitted with spray set (excluding cleaning of road surface) including cost of all material, labour, HOM of machineries complete as per specifications.. MORTH Chapter 501 of MORTH V revision (PWD SR 2018-19 P.No: 158, I.No.: 21.5)								
	9th Cross 2ndto 4th Main	Sqm	1	205.15	6.00		1230.90		
							1230.90	43.46	**53495.00**
	Basic Rate	41.00							
	Add 6% Area weightage	2.46							
	Total	**43.46**							
12	KSRRB M500-19. Providing and laying **bituminous concrete**, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specification clause No. 500.7 of MORTH Vrevision using 120 TPH capacity Asphalt batch mix plant with sensor paver Gr -II (30 mm to 40 mm) with 5.4 % VG-30 Bitumen (PWD SR 2018-19 P.No: 162, I.No.: 21.22.2)								
	9th Cross 2ndto 4th Main	Cum	1	205.15	6.00	0.030	36.93		
							36.93	10192.96	**376395.00**
	Basic Rate	9616.00		73			12010		
	Add 6% Area weightage	576.96		5.17A			1201		
	Total	**10192.96**					13211		
13	KSRRB M800-13.**Road Marking** with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (PWD SR 2018-19 P.No: 182, I.No.: 24.5)								
	9th Cross 2ndto 4th Main	3	1	205.15	0.15		92.32		

Sl No	Description	Unit	No	Length	Width	Depth	Qty	Rate	Amount
		Sqm					92.32	454.74	41980.00
	Basic Rate	429.00							
	Add 6% Area weightage	25.74							
	Total	454.74							
14	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (PWD SR 2018-19 P.No: 180, I.No.:24.1)								
	kerb		2	205.15		0.45	184.64		
		Sqm					184.64	84.80	15658.00
	Basic Rate	80.00							
	Add A W 6%	4.80							
	TOTAL	84.80							
								SUB TOTAL	3418737.00
								GST 12%	410248.44
								Add Tender Primium charges @ 5%	170936.85
								Micelleneous and rounding off	77.71
								TOTAL	4000000.00

ದೃಢೀಕರಣ

1. ಸದರಿ ಅಂದಾಜು ಪಟ್ಟಿಯಲ್ಲಿ ಪ್ರಸ್ತಾಪಿಸಿರುವ ರಸ್ತೆಗಳ ಅಭಿವೃದ್ಧಿ ಈ ಹಿಂದೆ ಯಾವುದೇ ಅನುದಾನದಲ್ಲಿ ಪ್ರಸ್ತಾಪಿಸಿರುವುದಿಲ್ಲ. ಹಾಗೂ ಪುನರಾವರ್ತನೆಯಾಗಿರುವುದಿಲ್ಲ ಎಂದು ದೃಢೀಕರಿಸಿದೆ.
2. ಸದರಿ ಪ್ರಸ್ತಾಪಿಸಿರುವ ರಸ್ತೆಗಳು DLP ಅವಧಿಯಲ್ಲಿರುವ ರಸ್ತೆಗಳಲ್ಲಿ ಸೇರಿರುವುದಿಲ್ಲ.
3. ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಪಿ.ಡಬ್ಲ್ಯೂ.ಡಿ ಎಸ್.ಆರ್-2018-19ನೇ ಸಾಲಿನ ದರಗಳನ್ವಯ ತಯಾರಿಸಲಾಗಿದೆ ಹಾಗೂ Approved Data Rate ಅನ್ವಯ ತಯಾರಿಸಲಾಗಿದೆ.
4. ಸದರಿ ಕಾಮಗಾರಿಯಲ್ಲಿ ಪ್ರಸ್ತಾಪಿಸಿರುವ ರಸ್ತೆಗಳ ಅಭಿವೃದ್ಧಿಯು ತುಂಬಾ ಅವಶ್ಯಕವಾಗಿರುತ್ತದೆ.
5. ಎಲ್ಲಾ ರಸ್ತೆಗಳು ಬಿಬಿಎಂಪಿಯ ಸರಹದ್ದಿನಲ್ಲಿರುತ್ತದೆ.

Assistant Engineer
Ward No 13

Assistant Executive Engineer
Shetty Halli Sub Division

Executive Engineer
Dasarahalli Division

ADMINISTRATIVELY SANCTIONED FOR
(Rupees Fourty Lakh
Under the Head of Account P-3443
Developmental works at
ward
Registered as no EE(D.D.)/AS.134/21-22 Subject
to conditions contained in Enclosed Memo
No. EE/DD/AS.134/21-22 Dt. 13.01.22
Exec. Engr
AE. (DASARAHALLI) BCC

Technically Sanctione for Rs. 40.00 Lakhs
In words Rs. Fourty Lakhs/-
P-3443
Job Code No.
Registered as CE No. S3/21-22 Subject
to condition contained in Enclosed Memo
No. CE/DD1/TS/53/21-22 Dt. 04/01/2022
AE/JE. TA CE(D)